



Robo4 (Roundabout Homolog 4, Roundabout Homolog 4 Magic Roundabout, Roundabout Homolog 4 Precursor, FLJ20798, Magic Roundabout, MRB, MGC133352, MGC133353)

Catalog number

R9417-73A

Supplier

United States Biological

Roundabouts (ROBO) are cell-surface receptors that mediate repulsive signaling mechanisms at the central nervous system midline. However, ROBOs may also mediate attraction mechanisms in the context of vascular development. ROBO4 is a novel roundabout protein which is restricted in expression to endothelial cells in vitro and sites of angiogenesis in vivo. Because it is not expressed on normal endothelial cells, in vivo, it is a promising tumor endothelial marker.

Applications

Suitable for use in Western Blot and Immunohistochemistry. Other applications not tested.

Recommended Dilution

Optimal dilutions to be determined by the researcher.

Positive Control

HUVEC lysate

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Synthetic peptide corresponding to a C-terminal region of the human protein (within residues 900-1007).

Formulation

Supplied as a liquid in Tris-citrate/phosphate, pH 7-8, 0.09% sodium azide.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes the 85kD and 107kD isoforms of the ROBO4 human protein.

Product Type

Pab

**Source**

human

Isotype

IgG

Grade

Affinity Purified

Applications

IHC WB

Crossreactivity

Hu

Storage

-20°C